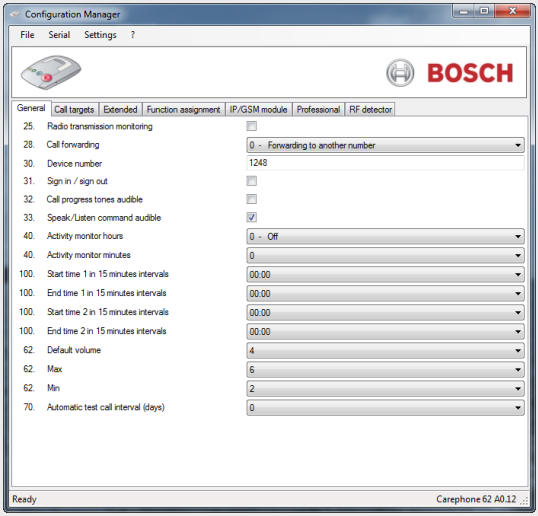

Configuration Manager

970.129c | V3 | 2014.09

BOSCH

en User Manual

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1 Description

1.1 Features

The Configuration Manager is a standalone software for

– reading/writing the device parameters of Bosch Carephones 6X via serial connection, microSD card or hard disk drive
– updating the firmware of Bosch Carephones 6X via serial connection.

NOTICE!

The programming via serial connection is supported at Bosch Carephones 6X from:

– Bosch Carephone 61 A2.02
– Bosch Carephone 62 A0.07

1.2 Functions

The following information can be edited:

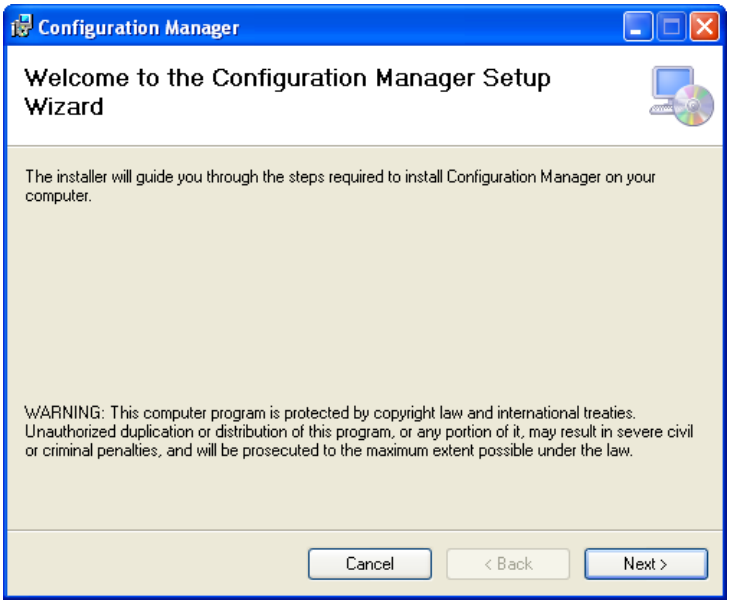
– Call targets, protocols and media type
– General configuration, such as radio transmission monitoring, activity monitor parameters, etc.
– Extended configuration, such as waiting time for repeated emergency calls, activation of service button, etc.
– Function assignment, which allows assigning a call number to each individual call trigger.
– IP/GSM configuration, related to IP and GSM features
– RF detector programming data, allowing assigning a call trigger to the wireless detectors.

The settings can be saved into a CSV file, facilitating the upload of these settings into other applications. The settings can also be printed.

microSD is a trademark of SD-3C, LLC.

2 Installation

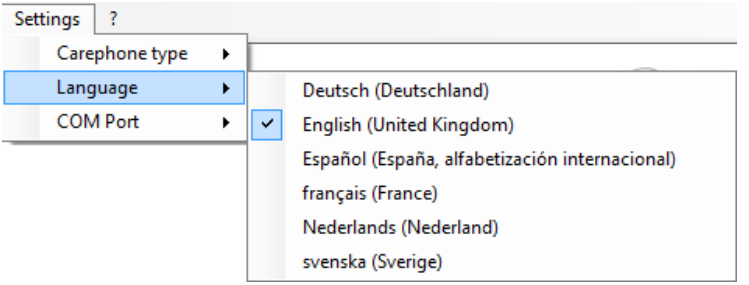
Download the MSI file package from www.boschsecurity.com. Store the file on your computer, double-click it and follow the steps of the setup wizard.


Configuration Manager
Welcome to the Configuration Manager Setup Wizard
The installer will guide you through the steps required to install Configuration Manager on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel
< Back
Next >

3 General commands

3.1 Language

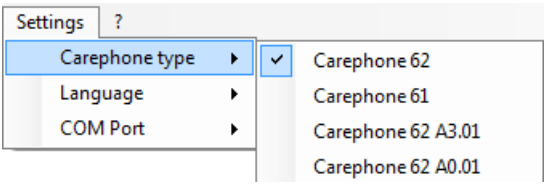
▶ Select the language in which you wish to see the Configuration Manager: click on **Settings** then **Language**.



3.2 Create a new BPA file

▶ Select **File** and **New**, a new BPA file for Carephones will be created. You can temporarily name it as you wish, but as soon as you want to upload it to a Carephone, you must name it **settings.bpa**.

▶ In the menu **Settings**, Select the **Carephone type**.



3.3 Revert to factory settings

▶ Select **File** and **Factory settings**, all the parameters in the Configuration Manager are reverted to the factory settings of the Carephone type.

3.4 Print

▶ Select **File** and **Print**, all the parameters in the Configuration Manager are sent to your default printer.

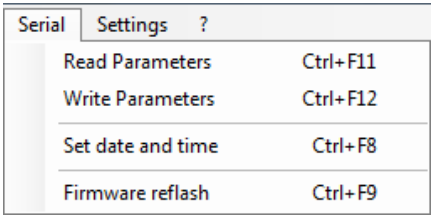
3.5 Export to CSV

▶ Select **File** and **Export to CSV**, all the parameters in the Configuration Manager are exported to a CSV file.

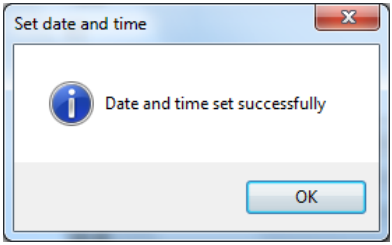
3.6 Set date and time

Once the serial connection is established between the Carephone and the Configuration Manager, you can set the date and time values. The Configuration Manager will take the current date and time of the computer running it.

1. In the menu **Serial**, select **Set date and time**.



2. The Configuration Manager updates the date and time into the Carephone, and displays a confirmation message:



NOTICE!
A reset, disconnecting the main power supply or disconnecting the battery power, will erase the date and time.

3.7 Exit

▶ Select **File** and **Exit**, the Configuration Manager will close. If you have not saved your changes, a warning will appear.

4 Programming via microSD card / hard disk drive

NOTICE!

Before you program the Carephone 61/62, you must be familiar with all of the unit's functions. Programming is specifically intended for trained users. Correct programming of the Carephone 61/62 is important for the full function of the unit. Make sure to always read the existing configuration before changing the values of the programming steps.

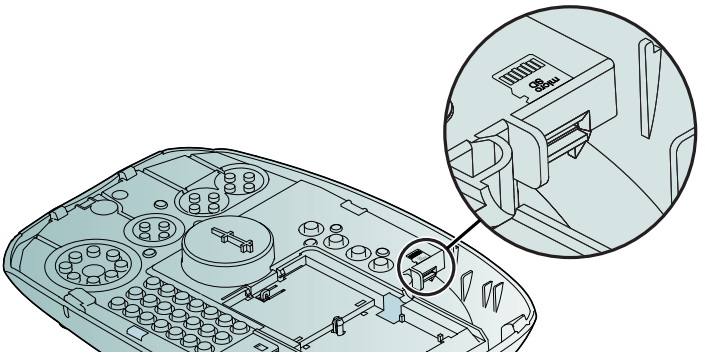
4.1 Installing the microSD memory card

The Carephone 61/62 can be equipped with a microSD memory card to perform a fast and easy programming.

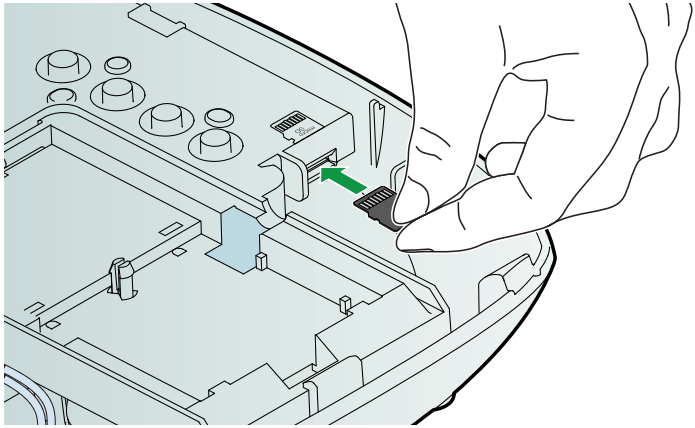
NOTICE!

Use a microSD memory card of 32 GB capacity or lower.

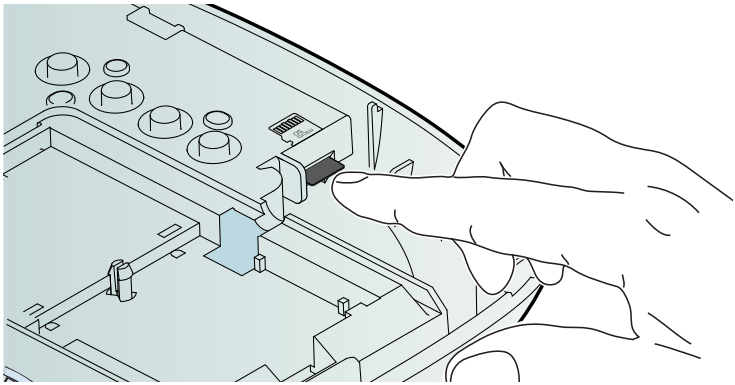
1. Remove the plug of the power supply unit from the socket on the Carephone 61/62.
2. Open the top cover of the unit to access to the connection compartment. The location of the microSD port is indicated in the following diagram:



3. Take the microSD memory card in the hand and place it with the contacts facing you, as on the drawing.



4. Insert the microSD memory card in the slot and push it until you feel the mechanism has clutched it.
5. Insert the plug of the power supply unit from the socket on the Carephone 61/62.
6. Perform the programming action that you wish. See *Section 4.2 Programming procedure via microSD card / hard disk drive, page 10*.
7. When you are finished and wish to remove the microSD memory card, remove the plug of the power supply unit from the socket on the Carephone 61/62.



8. To disengage it from the slot, simply push on the end of the microSD memory card and gently pull it out.

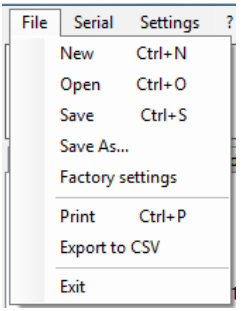
4.2 Programming procedure via microSD card / hard disk drive

NOTICE!

Before reading from the microSD memory card, make sure that it contains a file. Before writing to the microSD memory card, make sure that it is not write-protected. Existing files with same names will be overwritten.

Step 1: open the BPA setting file of the Carephone

▶ In the menu **File**, select **Open** to open the corresponding parameter file from the microSD card or from the hard disk drive.



Based on the BPA setting file, the Configuration Manager identifies and displays the Carephone type in the lower right corner of the window. In this case, you cannot change the setting **Carephone type**.

Step 2: program the parameters of the Carephone

Change the parameters for the Carephone. Refer to *Section 6 Programming steps, page 16*.

Step 3: save the parameters to the microSD card or hard disk drive

▶ When you are finished programming, select **Save** to save the BPA setting file to the microSD card or to the hard disk drive. The file name must always be **settings.bpa**. If you change the name of the file, then the upload of the parameter update into the Carephone will malfunction.

5 Programming via serial connection

5.1 Serial connection

The programming via serial connection is supported at Bosch Carephones 6X from:

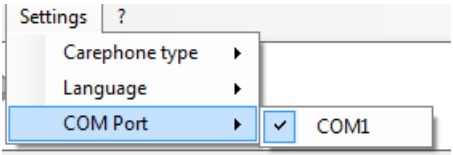
– Bosch Carephone 61 A2.02
– Bosch Carephone 62 A0.07

For Bosch Carephones 6X that do not support programming via serial connection, the commands **Read Parameters** and **Write Parameters** are disabled. You will also get an error message inviting you to update the Carephone. See *Section 5.6 How to do with older Carephones, page 15*.

5.2 Getting started

Establish the serial connection

▶ In the menu **Settings**, select the **COM Port** to be used.



▶ Connect the Carephone 6X to its power supply.
▶ Connect the Carephone 6X to the computer running the Configuration Manager.
– Use the Bosch serial programming cable APD 9 poles (commercial type number CRS-CP-SPC-APD9P, SAP number F.01U.140.074). If needed, the USB to serial adapter Brainboxes model US-101 can be recommended.

The Configuration Manager now detects the Carephone and displays the information related: version and build, as well as the Carephone type in the lower right corner of the window.

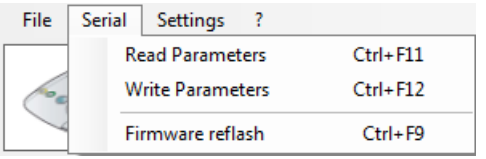
In this case, you cannot change the setting **Carephone type**.

5.3 Programming procedure via serial connection

Once the Carephone is connected to its power supply and to the computer running the Configuration Manager via the serial cable, you can start programming directly the Carephone.

Step 1: read the parameters from the Carephone

▶ In the menu **Serial**, click on **Read Parameters**.



The Configuration Manager reads all the parameters from the Carephone and displays them in the different tabs.

Step 2: program the parameters of the Carephone

Change the parameters for the Carephone.
Refer to *Section 6 Programming steps, page 16*.

Step 3: write the parameters to the Carephone

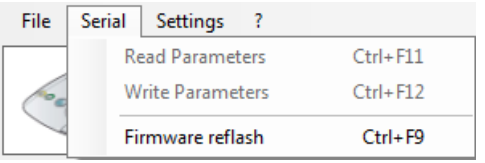
▶ When you are finished programming, click on **Write Parameters**. The parameters are now sent to the Carephone via serial connection.

5.4 Firmware reflash

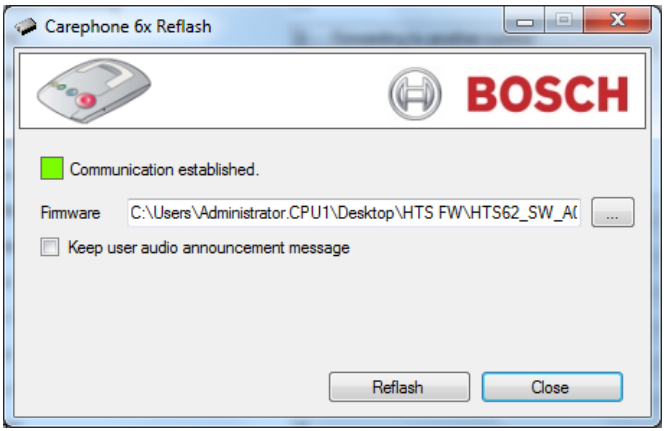
The Configuration Manager must first detect the Carephone and display the version and build. See *Section 5.2 Getting started, page 11*.

Step 1: launch the firmware reflash interface

▶ In the menu **Serial**, select **Firmware reflash**.



The **Carephone 6X Reflash** interface opens:



Step 2: select the firmware file

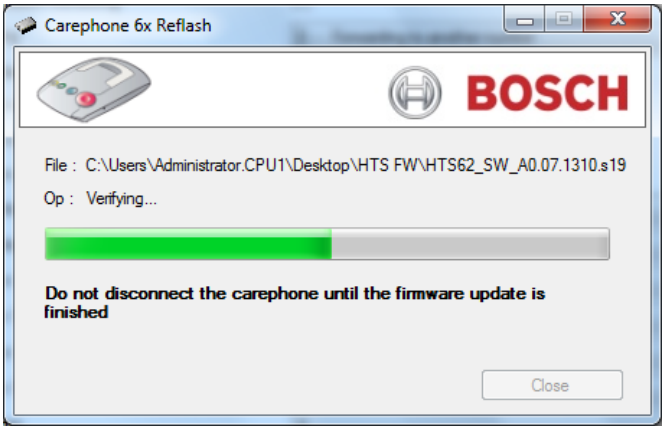
▶ Click on the browse button and select the Motorola S19 firmware file. Make sure that the firmware file corresponds to the type of Carephone 6X that you are about to reflash.

You have the possibility to **keep the user audio announcement message**. If so, tick the check-box.

Step 3: start the firmware reflash

▶ Click on **Reflash** on the **Carephone 6X Reflash** interface.

The firmware is sent to the Carephone:



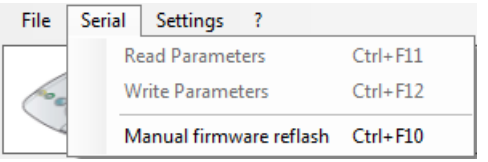
CAUTION!
Do not disconnect the Carephone until the firmware update is finished!

5.5 Manual firmware reflash

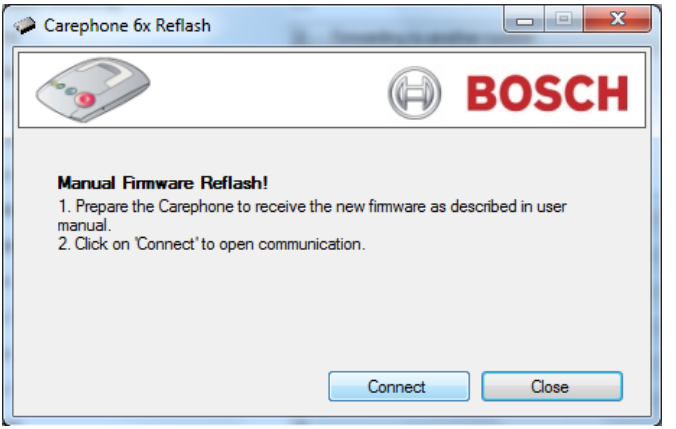
If the firmware reflash was interrupted, you must proceed with a manual firmware reflash.

Step 1: launch the manual firmware reflash interface

▶ In the menu **Serial**, select **Manual firmware reflash**.



The **Manual Firmware Reflash** interface opens:

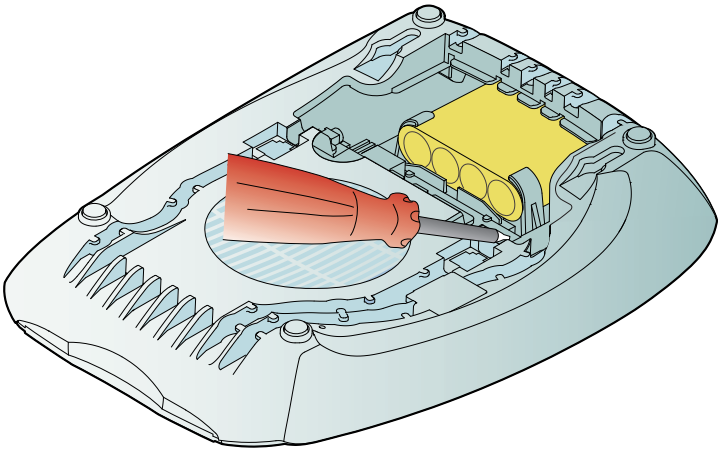

Carephone 6x Reflash
BOSCH
Manual Firmware Reflash!
1. Prepare the Carephone to receive the new firmware as described in user manual.
2. Click on 'Connect' to open communication.
Connect
Close

CAUTION!
Make sure that the Carephone is connected to its power supply and to the computer running the Configuration Manager via the serial cable. Do not disconnect it until the manual firmware reflash is finished!

Step 2: bridge the Carephone 6X

▶ Open the Carephone 6X that needs a manual firmware reflash, as when replacing the battery.
Refer to the user manual of the Carephone 6X.

▶ Connect the bridge, using a small slotted screwdriver:



Step 3: start the manual firmware reflash

▶ Click on **Connect** on the **Manual Carephone 6X Reflash** interface.

The Carephone is now reconnected to the Configuration Manager. The **Carephone 6X Reflash** interface opens. To finish reflashing the firmware, proceed as in *Section Step 2: select the firmware file, page 13*.

5.6 How to do with older Carephones

Firmware update

Before starting to program a Carephone that does not support programming via serial connection, you must first make a firmware update to get:

– for a Bosch Carephone 61: version A2.02 or newer
– for a Bosch Carephone 62: version A0.07 or newer

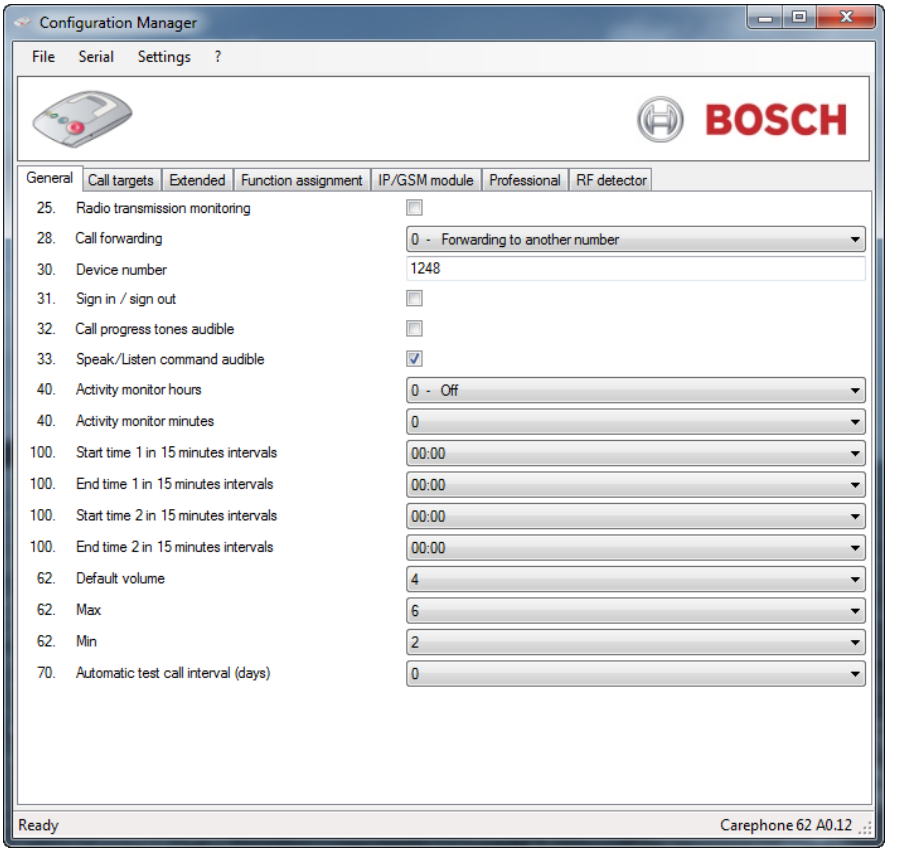
Proceed as in *Section 5.4 Firmware reflash, page 12*.

6 Programming steps

Programming a Carephone 61/62 with the Configuration Manager consists of entering values for the individual steps, numbered 01 to 129.

NOTICE!
According to the Carephone type, programming steps may not be visible and their values may change.

Tab 1 "General"



03. Radio jamming

The Carephone 61/62 sends a technical message to the monitoring centre when a radio signal from another device disturbs it. Check the tick-box to enable this function.

25. Radio transmission monitoring

The Carephone 61/62 can monitor the wireless transmitters that are assigned. The wireless transmitters send a signal to the Carephone 61/62 at regular intervals. A failure message is sent to the monitoring centre if the Carephone 61/62 does not receive this signal at least once a week. Check the tick-box to enable this function.

28. Call forwarding

It is possible for the monitoring centre, if it supports this functionality, to command the Carephone 61/62 to forward the current call to a new destination using a specified protocol. You can allow the Carephone 61/62 to use the specified protocol or force it to use telephone protocol. This function is only possible with protocols RB2000E (target 0), CPC (target 3) and RBIP (target 9). Choose between:

– **0** = forwarding to another number, **1** = forwarding to a telephone.

30. Device number

When an emergency call is made, this number is sent to the monitoring centre. The number can be up to 12 digits long. Numbers 0000, 9998, 9999 and 999999 may not be used. Default value is **1248**.

31. Sign in / sign out

To specify whether the sign in or sign out of the activity monitor will initiate a call to a call recipient. Check the tick-box to enable this function.

32. Call progress tones audible

You can choose to hear the call progress tones when the Carephone makes a call. Check the tick-box to enable this function.

33. Speak / Listen command audible

Check the tick-box to hear the commands when the Carephone switches between speak and listen in half-duplex mode.

40. Activity monitor hours and minutes

The time for the activity monitor can be set between 15 minutes and 31 hours in steps of 15 minutes.

– Enter the number of hours (example: 24 for 24 hours) in the first field.
– Enter the number of minutes: **0** for 0 min, **1** for 15 min, **2** for 30 min and **3** for 45 min. It is also possible to program an automatic activation of the sign-out status. To activate the special feature for passive alarms, enter **4** for 0 min, **5** for 15 min, **6** for 30 min and **7** for 45 min. In this case, any intrusion alarm will be silent.

Programming **0 - off** and **0** (0 hours and 0 minutes) deactivates the activity monitor. Programming **99** means the time frame is set by the monitoring centre or with an SD card. This can only be used if the unit gets regularly real-time clock updates from a monitoring center. Programming **98** means the activity monitoring is in silent mode. In this mode, the prealarm and speak/listen connection are not established, timeout is set to 24 hours, you cannot activate or deactivate the activity monitor with the green button.

100. Scheduler for the activity monitor

You set up a scheduler for the activity monitor, with 2 time slots during which the activity monitor is active. Select, in 15 minutes intervals:
start time 1, end time 1, start time 2 and end time 2.

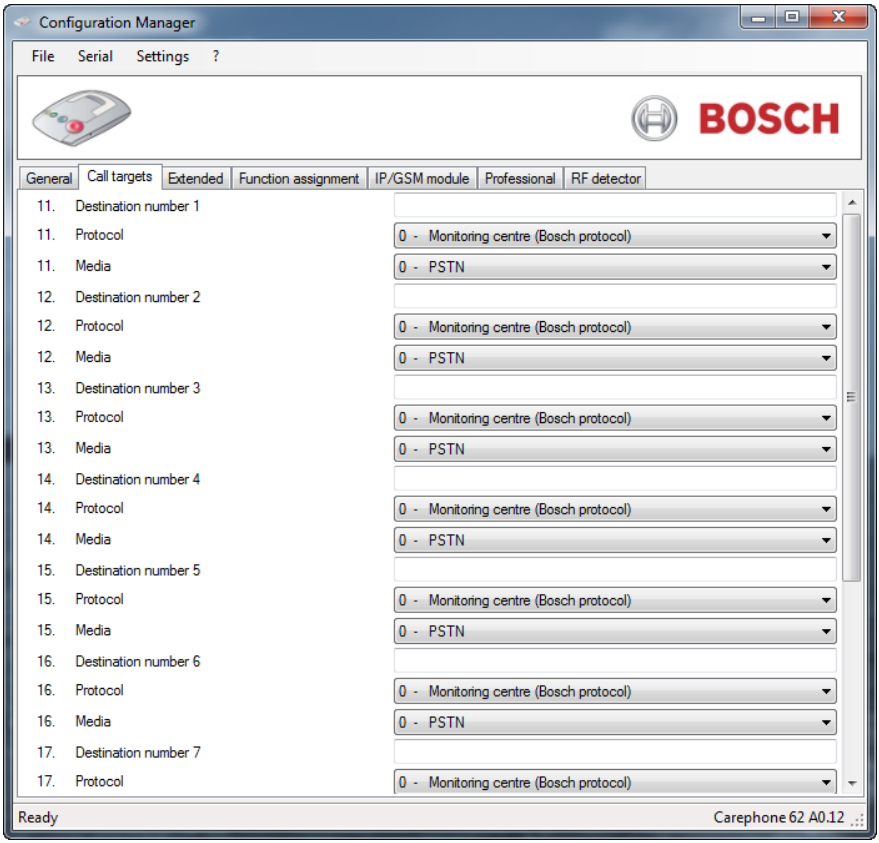
62. Loudspeaker volume (Default, Max, Min)

This step is used to program the default volume as well as the maximum and minimum settings. The default volume is the volume at which the monitoring centre communicates via the Carephone 61/62.
Maximum setting is high volume. Minimum setting is low volume.
Choose a value between **1** to **8** to program these three volumes.
Default values are **4**, **6** and **2** are shown first.

70. Automatic test call interval

You can program the interval between automatic test calls from the Carephone 61/62 to the monitoring centre in days. In addition, there is a test call after power up or leaving programming mode, as well as a test call per randomization. Select from **1** to **28** days, **0** = off

Tab 2 "Call Targets"

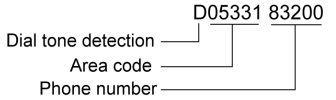


11- 19 & 10 Destination number of the emergency call recipient

You can enter here the destination number of the emergency call recipient, either a telephone number, or an IP address.

1) Enter the destination number of the emergency call recipient.

In the case of a telephone number, register the call number as follows:



You can add the following criteria in a telephone call number:

B = Dial pause, **D** = Dial tone detection.

In the case of an IP address, the call number should be written in numbers without dots, always 12 digits. Example: 192168010001.

2) After entering the call number, you must enter the protocol:

- **0** = monitoring centre (protocols RB2000, RB2000E, ANT)
- **1** = monitoring centre (TTnew+ protocol)
- **3** = monitoring centre (CPC protocol)
- **4** = to phone with acknowledgement
- **5** = to phone without acknowledgement (only for direct call)
- **7** = monitoring centre (BS8521 protocol)
- **9** = monitoring centre (RBIP protocol)

Settings **0** to **7** are designed to be used with the media PSTN.

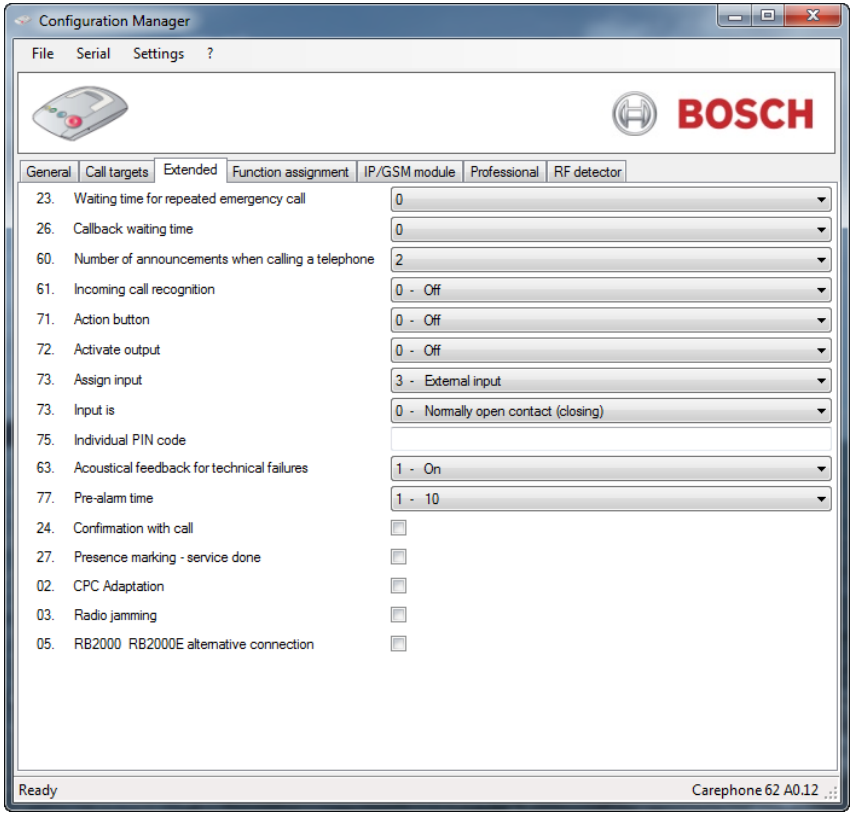
Setting **9** is designed to be used with the IP Module or GSM Module.

3) After entering the protocol, you can enter the media:

- **0** = PSTN, related to the analogue interface of the Carephone. This also applies with a GSM Gateway or a DSL/cable modem.
- **1** = LAN, related to the IP Module
- **2** = GSM, related to the GSM Module

The Carephone goes automatically to the next programming step and you can enter the next call number. When an emergency call is sent and if the call to the first call number is not successful, the Carephone will try the next numbers in the sequence 11 to 10. If the last number has been dialed unsuccessfully, the unit starts with the first number again and continues until it sends an emergency call successfully. A single programmed telephone number will be tried **12** times. The maximum number of dial attempts can be set. By default, it is set to **15** attempts.

Tab 3 "Extended"


Configuration Manager
File Serial Settings ?
BOSCH
General Call targets Extended Function assignment IP/GSM module Professional RF detector
23. Waiting time for repeated emergency call 0
26. Callback waiting time 0
60. Number of announcements when calling a telephone 2
61. Incoming call recognition 0 - Off
71. Action button 0 - Off
72. Activate output 0 - Off
73. Assign input 3 - External input
73. Input is 0 - Normally open contact (closing)
75. Individual PIN code
63. Acoustical feedback for technical failures 1 - On
77. Pre-alarm time 1 - 10
24. Confirmation with call
27. Presence marking - service done
02. CPC Adaptation
03. Radio jamming
05. RB2000 RB2000E alternative connection
Ready
Carephone 62 A0.12

23. Waiting time for repeated emergency call
An emergency call is repeated to check the arrival of staff until it is acknowledged by pressing the Action button on the Carephone 61/62, or the repeated call is disabled by the monitoring centre. The emergency call is repeated when the defined waiting time is exceeded. – Enter a time between **0** and **99** minutes. **0** = off. Default value is **0**.

26. Callback waiting time

The callback function enables the help provider or monitoring centre to terminate an alarm after having acknowledged it. The Carephone must be called back, or the Action button must be pressed, after an alarm has been acknowledged. Define the waiting time after the acknowledgement, during which a call back will be accepted. If this call back waiting time has elapsed, then a new call will be sent by the Carephone.

– Enter a time between **0** and **9** minutes. **0** = off. Default value is **0**.

60. Number of announcements when calling a telephone

Specify how often the Carephone will announce the recorded message.

– **0** = no announcement, from **1** to **9** for the required number of announcements. Default value is **2**.

61. Incoming call recognition

Incoming phone calls can be accepted and terminated by the Carephone 61/62's emergency call button or by using the wireless transmitter if it is programmed for emergency call initiation. The ring tone on the Carephone 61/62 can be switched on or off and the volume can be adjusted.

– **0** = off (no incoming call can be answered and terminated by the wireless transmitter or call button)
– **1** = with ring tone
– **2** = with loud ring tone
– **3** = with soft ring tone
– **4** = without ring tone (only the phone rings)
– Default value is **0**.

71. Action button (S button)

The Action button can be configured differently according to your needs:

– **0** = off
– **1** = service button / direct call (e.g. service call to a monitoring centre or direct call to a relative)
– **3** = activate relay output (e.g. a door opener)
– **4** = send a manual test call
– Default value is **0**.

72. Activate output

The Carephone 61/62 provides a potential-free relay output with a normally open switch contact. Program the way the output reacts:

- **0** = off
- **1** = speak / listen connection and repeated emergency call
- **3** = outgoing emergency call
- **4** = incoming call recognition
- **5** = wireless transmitter
- **6** = remote activation
- **7** = speak / listen connection
- **8** = pre-alarm
- **9** = pre-alarm and speak / listen connection
- Default value is **0**.

73. Assign input

The Carephone 61/62 provides external inputs. The function assigned can be programmed:

- **0** = external activity monitor reset
- **1** = emergency call button
- **2** = service call
- **3** = external input
- **9** = fire alarm
- **B** = motion detection
- Default value is **3 - External input**.

73. Input is

After assigning the input, the input can be chosen as a:

- **0** = normally open contact (closing)
- **1** = normally closed contact (opening)

75. Individual PIN code

The Carephone 61/62 is delivered with the factory setting **246810** for the PIN code. It is recommended not to change this code. If you need to change this code, take care to write it down to find it easily. The PIN code is reset when resetting the unit to its factory settings.

63. Acoustical feedback for technical failures

The Carephone 61/62 can be set to announce technical failures through the LED lamps and the loudspeaker, or through the LED lamps only.

- **0** = loudspeaker off
- **1** = loudspeaker on. This is the default value.
- **2** = loudspeaker on from 7:00 to 21:00
- **3** = an acoustical failure indication (message or beep) is repeated with a pause of 10 seconds until the Action button is pressed.
- **4** = an acoustical failure indication (message or beep) is repeated during day time (from 7:00 to 21:00) with a pause of 10 seconds until the Action button is pressed.

Settings **2** and **4** are only available if the time and date are set. This can be done through keyboard programming, Configuration Manager with serial serial connection or via a remote date/time update from a receiver.

77. Pre-alarm time

The pre-alarm time of the Carephone 61/62 can be programmed. This is the time frame in which an emergency call can still be stopped.

- Select a setting, in steps of 10 seconds, between **0** and **6.**
- **0** = off, **1** = 10 s, **2** = 20 s, etc. Default value is **1**.

24. Confirmation with call

When the repeated emergency call has been locally acknowledged, you can speak directly to the monitoring centre.

27. Presence marking - Service done

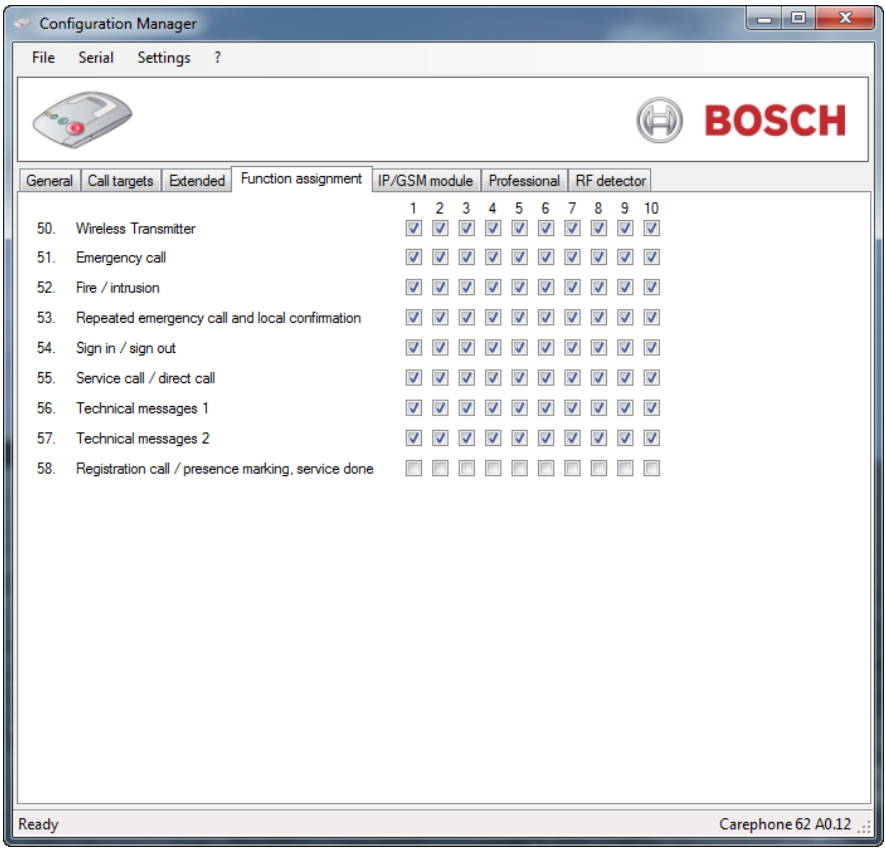
The presence marking function allows staff members to mark their presence or signal that the service is done by pressing the daily button. This is handled without a speak/listen connection and does not require an answer by the operator. When the presence marking is activated, the destination numbers to be called are set in the call sequence of step **58** of the tab **Function assignment**. This function resets the activity monitor, which must be set. See step **40** of the tab **General**.

02. CPC Adaptation

You can set the Carephone 61/62 to use a specific CPC adaptation when the CPC protocol is used. Check the tick-box to enable this function.

05. RB2000 & RB2000E alternative connection
It is possible to change the connection mode for the RB2000 and RB2000E protocols. Check the tick-box to set the connection mode to alternative connection. Check the compatibility with your alarm receiving center.

Tab 4 "Function assignement"



Function assignment

It is possible to link an alarm type to specific call numbers. Each programming step refers to a certain alarm type.

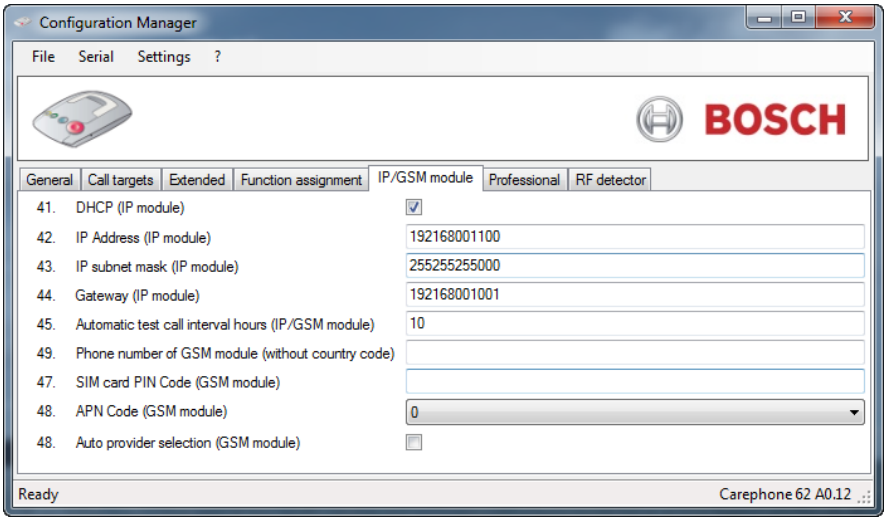
- **50. Wireless Transmitter** (emergency call with a wireless transmitter)
- **51. Emergency call** (with the Carephone 61/62)
- **52. Fire / intrusion**
- **53. Repeated emergency call and local confirmation**
- **54. Sign in / sign out**
- **55. Service call / direct call**. The direct call can only made to a telephone without acknowledgement. A single attempt will be made.
- **56. Technical messages 1** (power failure, power restored, unit battery failure, unit battery low, line failure, line restored)
- **57. Technical messages 2** (automatic test call, radio jamming, radio transmission monitoring, transmitter battery low)

Choose which destination numbers **1** to **10** are associated with each alarm type (call sequence). If no destination number is entered, then all programmed call numbers will be called. It is not possible to have the same destination number twice.

- **58. Registration call / presence marking - service done**
  Registration call: after an emergency call, the destination number entered in setting 58 will be called for registration purposes. The call destination must be a monitoring centre.
  Presence marking - service done: see step **27**.

Choose which call numbers **1** to **10** are associated with this alarm type (call sequence). If no destination number is entered, then no call is made. It is not possible to have the same destination number twice.

Tab 5 "IP/GSM"



41. DHCP (IP Module)
Enable or disable the Carephone 61/62 to use a DHCP service. Check the tick-box to enable this function.

42. IP Address (IP Module)
Enter here the IP address of the Carephone 61/62. It should be written in numbers without dots, always with 12 digits. The factory setting is: **192168001100**.

43. IP subnet mask (IP Module)
Enter here the IP subnet mask of the Carephone 61/62. It should be written in numbers without dots, always with 12 digits. The factory setting is: **255255255000**.

44. Gateway (IP Module)
Enter here the IP address of the network gateway in case the Carephone 61/62 is connected through this type of device. It should be written in numbers without dots, always with 12 digits. The factory setting is: **192168001001**.

45 Automatic test call hours (IP/GSM Module)
Program the interval between automatic test calls of the IP Module or GSM Module from the Carephone 62/61 to the monitoring centre in hours. Select from **1** to **999** hours, **0** = off, factory setting = **10**

49 Phone number of GSM Module (without country code)
Program the own phone number for the GSM Module to be used for the Carephone 62/61. Maximum length is 22 digits. If the country code of the phone number of alarm receiving center and GSM module is the same, then it must not be part of the phone number. If the country code is different, then it must be part of the phone number.

47 SIM card PIN Code (GSM Module)
Program the SIM PIN Code for the GSM Module. Max. length is 8 digits.

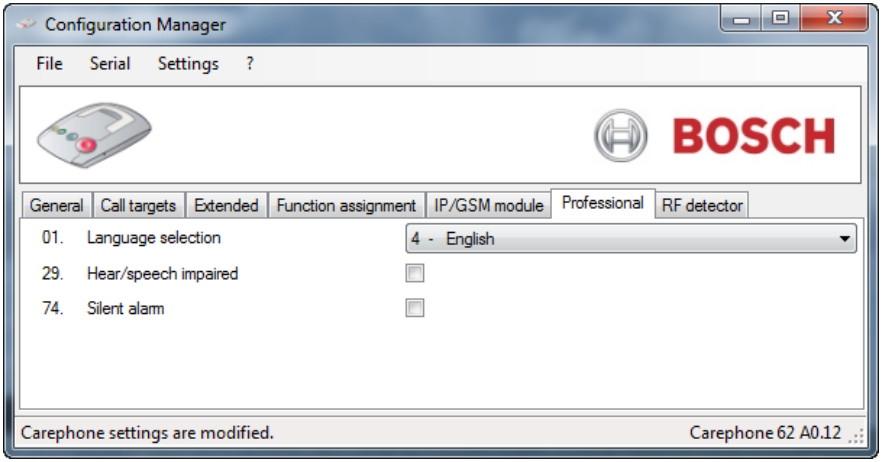
48 APN Code (GSM Module)
Program the code for the Access Point Name (APN) between **0** and **99**. The default setting is **0**. The APN codes can be found at *Section A.2 APN codes, Page 34*.

48 Auto provider selection (GSM Module)
Use this option if you wish to activate or deactivate the automatic selection of the GPRS provider. This is useful to avoid unwanted roaming costs. Check the tick-box to enable this function.

NOTICE!

Programming steps **42**, **43** and **44** are not used when a DHCP service is enabled (setting in step **41**). In DHCP mode, the IP address, subnet mask and gateway address are all automatically requested from the local DHCP server.

Tab 6 "Professional"

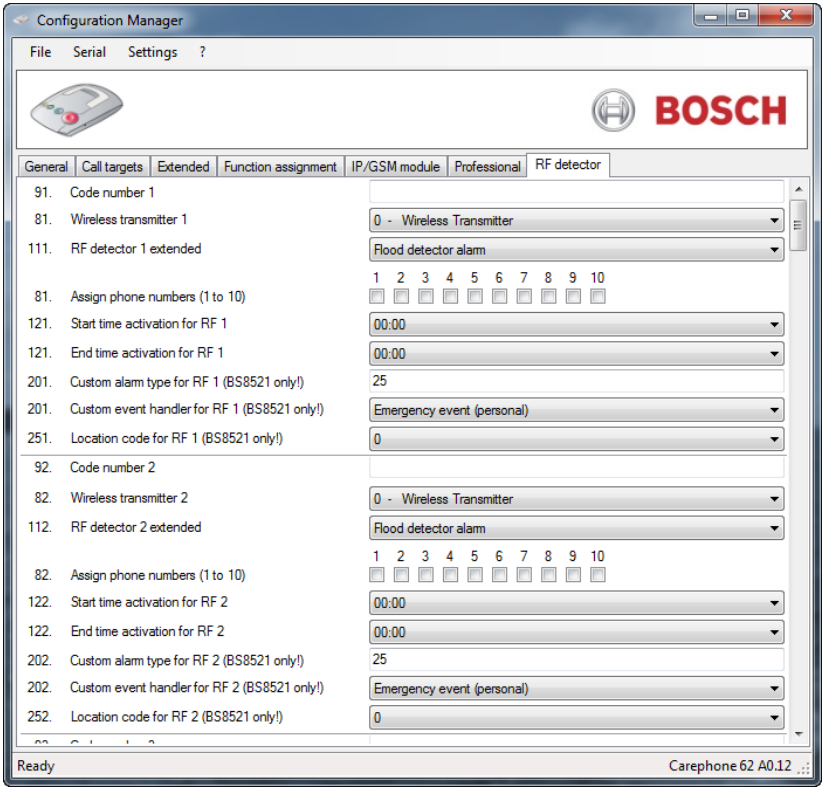


01. Language selection
Choose between different languages: **1** = German, **2** = Dutch, **3** = French, **4** = English, **5** = Spanish, **0** is for the synthetic speech disabled mode.

29. Hear/speech impaired
This is dedicated to users with speaking or hearing difficulties. Once a connection to the monitoring centre is established, the signals advise the user that he or she is through to the monitoring centre (the centre is listening). If the user presses the emergency call button, the message **emergency call** is sent to the monitoring centre. If the stop button is pressed, then the recorded message (e.g. "everything is okay") is sent. Check the tick-box to enable this function.

74. Silent alarm
The Carephone 61/62 can send silent alarms. When this is activated, the loudspeaker of the Carephone 61/62 is turned off. Only the microphone remains active. Check the tick-box to enable this function.

Tab 7 "RF detector"



RF detector registering and assigning:

Enter the **code number** for each transmitter (**91**, **92**, etc.)

Assign a function to each **wireless transmitter** (**81**, **82**, etc):

- 0 - emergency call with a wireless transmitter
- 1 - emergency call with the Carephone 61/62
- 2 - activity monitor reset with unit feedback
- 3 - sign in / sign out
- 4 - action button
- 5 - external input
- 6 - activity monitor reset without unit feedback
- 7 - connection to an individual phone number value, then **assign the call numbers 1** to **10** to be associated with this alarm function.
- 8 - output assigned
- 9 - fire alarm
- B - motion detection
- D - extended programming

If you have selected **D** in steps **81**, **82**, etc, you can choose the **extended transmitter type** (**111**, **112**, etc):

- Panic alarm
- Bogus call alarm
- Stove alarm
- Fall detector
- Bed alarm
- Gas alarm
- CO alarm
- Contact detector alarm
- Temperature alarm
- Flood detector alarm
- Pull switch alarm
- Use the custom alarm type and event handler. See steps **201**, **202**, etc.

CAUTION!

The setting **use the custom alarm type and event handler** and steps **201**, **202**, etc. must only be used in case of a transmitter in **BS8521 protocol**! Otherwise, alarms will not be transmitted!

You have also access to extended programming features:

In steps **121**, **122**, etc, select the **activation start and end time** for each RF detector, in steps of 15 minutes.

In steps **201**, **202**, etc, select the **custom alarm type** for each RF detector. It must be a 3-digit value from 0 to 999.
Select also the **custom event handler**:

- emergency event (personal).
  Choose this setting in the case of a person triggering the alarm. **Notice**: this resets the activity monitor.
- emergency event (environmental)
  Choose this setting in the case of a non-personal event triggering the alarm, such as a detector.
- silent event, with the listen-in function. The alarm receiving centre has the ability to control the speak/listen connection.

CAUTION!
Steps **201**, **202**, etc. must only be used in case of a transmitter in **BS8521 protocol**! Otherwise, alarms will not be transmitted!

In steps **251**, **252**, etc, select the **location code** for each RF detector. Choose a number between 0 and 99 corresponding to a location code as described in the BS8521 protocol.

CAUTION!
The **location code** (steps **251, 252)** must only be used in the case of a transmitter in **BS8521 protocol**! Otherwise, alarms will not be transmitted!

A Appendix

A.1 Technical specifications

Storage type	free definable name on the computer
OS	Windows XP, 7 & 8
Available languages	English, German, French, Dutch
microSD card	32 GB maximum capacity
serial connection programming supported	- from Bosch Carephone 61 A2.02 - from Bosch Carephone 62 A0.07
Recommended connectors	- Bosch serial programming cable APD 9 poles (commercial type number CRS-CP-SPC-APD9P, SAP number F.01U.140.074) - Brainboxes US-101 USB to serial adapter

A.2 APN codes

Country	Operator	Access Point Name (APN)	APN User Name	APN Password	APN code
DE	1&1	web.vodafone.de	(empty)	vodafone	19
DE	E-plus	internet.eplus.de	eplus	gprs	17
DE	E-plus	internet.eplus.de	eplus	internet	24
DE	O2 Postpaid-Kunden	surfo2 Internet	(empty)	(empty)	16
DE	O2 (Vertrag)	internet	(empty)	(empty)	00
DE	O2 Loop (prepaid)	pinternet.interkom.de	(empty)	(empty)	20
DE	Simyo	internet.eplus.de	simyo	simyo	18
DE	T-Mobile	internet.t-mobile	t-mobile	tm	13
DE	T-Mobile t-zones	internet.t-d1.de	t-mobile	wap	21
DE	T-Mobile t-zones	internet.t-d1.de	internet	t-d1	22
DE	Vodafone Services (mit Laufzeittarif)	web.vodafone.de	(empty)	(empty)	14
DE	Vodafone	volume.d2gprs.de	(empty)	(empty)	15
DE	Vodafone Services (callYa-customers)	event.vodafone.de	tbd	tbd	23
AT	A1	A1.net	gprs@a1plus.at	(empty)	25
AT	A1	a1.net	ppp@a1plus.at	ppp	26
AT	Drei Hutchison	drei.at	(empty)	(empty)	30
AT	One	web.one.at	(empty)	(empty)	27
AT	Telering	Web	web@telering.at	web	28
AT	T-Mobile	gprsinternet	GPRS	(empty)	29
AT	T-Mobile	m2m.business	(empty)	(empty)	07
CH	Orange CH	internet	(empty)	(empty)	00
CH	Orange (prima)	click	(empty)	(empty)	02
CH	Sunrise	internet	(empty)	(empty)	00
CH	Swisscom	gprs.swisscom.ch	(empty)	(empty)	01
UK	3 UK (Three)	three.co.uk	(empty)	(empty)	03
UK	EE Internet	everywhere	eesecure	secure	06
UK	O2 UK (contract)	mobile.o2.co.uk	o2web	password	04
UK	O2 UK (prepaid)	payandgo.o2.co.uk	payandgo	password	05
UK	Orange UK	everywhere	eesecure	secure	06
UK	T-Mobile (One2One)	everywhere	eesecure	secure	06
UK	Virgin	goto.virginmobile.uk	user	(empty)	10
UK	Vodafone UK	Internet	web	web	08
UK	Vodafone (prepaid)	pp.vodafone.co.uk	Username	one2one	09
IE	O2 (prepaid)	internet	(empty)	(empty)	00
IE	Vodafone	isp.vodafone.ie	vodafone	vodafone	11
IE	Three	3ireland.ie	(empty)	(empty)	12
NL	Hi	fastinternet	(empty)	(empty)	35
NL	KPN Mobile	portalmmm.nl	(empty)	(empty)	44
NL	Simpel	internet.access.nl	(empty)	(empty)	34
NL	T-Mobile	internet	(empty)	(empty)	00
NL	Tele2	internet.tele2.nl	(empty)	(empty)	33
NL	Telfort	internet	(empty)	(empty)	00
NL	Vodafone (normal)	web.vodafone.nl	vodafone	vodafone	31
NL	Vodafone (private)	live.vodafone.com	vodafone	vodafone	32
BE	Base (Orange)	gprs.base.be	(empty)	(empty)	37
BE	Mobistar	web.pro.be	(empty)	(empty)	38
BE	Mobistar	mworld.be	(empty)	(empty)	39
BE	Proximus	internet.proximus.be	(empty)	(empty)	36
BE	Telenet	mobile.internet.be	(empty)	(empty)	40
LU	LUXGSM	web.pt.lu	(empty)	(empty)	41
LU	Tango	internet	tango	tango	42
JE	Jersey	pepper	(empty)	(empty)	43

Bosch Security Systems
Robert-Bosch-Ring 5
85630 Grasbrunn
Germany
www.boschsecurity.com
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